

NOTICE OF INTENT TO SOLE SOURCE

DESCRIPTION

The mission of the NIST Fluid Metrology Group (FMG) is to perform calibration of instruments and sensors connected with flow and airspeed measurements. To accomplish this mission, the Fluid Metrology Group uses various types of pitot probes to measure wind speed. These probes determine the wind speed by the Bernoulli equation which requires differential pressure measurements. We are seeking to purchase a high accuracy 3D probe to better understand the turbulence aspect of the flow equation.

Turbulent Flow Instrumentation is the sole vendor capable of providing the required pitot probe based on the following:

1. NIST has software specifically designed to read measurements from this probe. The software is integrated with data collection from other devices in two NIST facilities including the Wind Tunnel and the Smokestack Simulator.
2. NIST has develop hardware designed specifically for the probe geometry detailed above so that the probe can be installed into NIST automated traversing system and used in the Smokestack Simulator.
3. Turbulent Flow Instrumentation offers a pitot probe with a measurement uncertainty that is established at 3%.

The North American Industry Classification System (NAICS) code for this acquisition is 334516, with a size standard of 1,000 employees.

A determination by the Government not to compete the proposed acquisition based upon responses to this notice is solely within the discretion of the Government. Information received will be considered solely for the purpose of determining whether to conduct a competitive procurement.

No solicitation package will be issued. This notice of intent is not a request for competitive quotations. However, responses received by July 26, 2016 will be considered by the Government.